UNITED STATES

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

YOSEMITE NATIONAL PARK, CALIF.

REPORT ON INSECT CONTROL PROJECT FOR YOSEMITE NATIONAL PARK

Season -- November 1944 to May 1945.

The insect control project for the 1944-45 season was started in November and was closed on May 12. During this period a total of 205 infested trees were treated having a total volume of 702,920 board feet.

The peeling and burning method of treatment was used throughout with the exception of the treatment of three sugar pine trees late in the season on which the solar method was used due to the fire hazard.

The area in which treating work was done was divided into eight working units: Bald Mountain, Merced Grove, Big Oak Flat Road, Old Big Oak Flat Road, 1941 Burn, Valley floor, Mariposa Grove and Wawona Road.

The Bald Mountain Unit comprised only the area within the 1943 burn in that area. Seven ponderosa pine trees having a volume of 1,650 board feet were treated in this unit.

One ponderosa pine having a volume of 130 board feet and seven sugar pines having a volume of 32,160 board feet were treated in the Merced Grove Unit.

The Big Oak Flat Unit consisted primarily of a strip averaging approximately one-fourth of a mile wide on each side of this road from its intersection with the All-Year Highway to Crane Flat. Thirteen ponderosa pine trees having a volume of 41,570 board feet and 22 sugar pine trees having a volume of 167,140 board feet were treated in this unit.

The Old Big Oak Flat Road Unit comprised the forested portion along this road which extends several miles east from Gentry and the area west from Gentry to Tamarack Creek. Eleven ponderosa pine trees having a volume of 38,800 board feet and one sugar pine tree having a volume of 13,020 board feet were treated within this unit.

The 1941 Burn Unit comprised the pine forested area within the Power Line Fire Burn and immediately adjacent area. Thirty-seven ponderosa pine trees having a volume of 46,180 board feet were treated within this unit.

Thirty-three ponderosa pine trees having a volume of 62,000 board feet were treated in the Valley Floor Unit.

Three sugar pine trees having a volume of 24,830 board feet were treated in the Mariposa Grove Unit.

The Wawona Road Unit consisted of a strip along this road varying from one-fourth to one-half of a mile in width from the Wawona Tunnel to South Entrance. Fifty-one ponderosa pines having a volume of 145,900 board feet, two Jeffrey pines having a volume of 2,270 board feet and 16 sugar pines having a volume of 122,380 board feet were treated in this unit.

Summary of Treating by Units

Unit	Ponderosa Pine Number of Trees	Ponderosa Pine Board Foot Volume	Sugar Pine Number of Trees	Sugar Pine Board Foot Volume	Totals Number of Trees	Totals Board Foot Volume
Bald Mountain	7	1,650	-	---	7	1,650
Merced Grove	1	130	7	32,160	8	32,290
Big Oak Flat Road	13	41,570	22	167,140	35	208,710
Old Big Oak Flat	11	38,800	1	13,020	12	51,820
1941 Burn	37	46,180	1	4,890	38	51,070
Valley Floor	33	62,000	-	---	33	62,000
Mariposa Grove	-	---	3	24,830	3	24,830
Wawona Road	51	145,900	16	122,380	69	270,550
(Jeffrey)	2	2,270	---	---	---	---
Totals (P.P.)-153 (J.P.)- 2	336,500 2,270		50	364,420	205	702,920

A total of $4,875.86 was expended on this project for labor, supplies and incidental expenses. The average cost per tree treated was $23.78. The cost per thousand board feet was $6.94.

This season's work can be considered as insect control maintenance work. It is recommended that $5,000 be appropriated annually for such insect control maintenance to reduce insect losses in high use areas.

M. E. Thode,
Forester.